

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claim 1 (currently amended): A rotary edging wheel for edge finishing of an optical lens comprising:

a hub portion adapted for attachment to a rotary power source;

an outer circumferential cutting surface having a width, said surface including an abrasive grit attached thereto;

a radially extending planar side portion; and

at least one swarf clearing groove extending at an angle across the entire width of said surface and opening into said planar side, said swarf clearing groove operable to remove ~~for removal of~~ swarf out through said planar side.

Claim 2 (currently amended): The bevel edging wheel of claim 1 further comprising a plurality of said swarf clearing ~~slots~~ grooves formed in said circumferential cutting surface.

Claim 3 (currently amended): The bevel edging wheel of claim 1 wherein said swarf clearing ~~slot~~ groove extends along a portion of the said cutting surface.

Claim 4 (currently amended): The bevel edging wheel of claim 1 wherein said swarf clearing ~~slet~~ groove extends along the entire length of said cutting surface.

Claim 5 (currently amended): The bevel edging wheel of claim 1 wherein said ~~slet~~ swarf clearing groove has an angle of from about 10 degrees to about 80 degrees.

Claim 6 (currently amended): The bevel edging wheel of claim 1 wherein said ~~slet~~ swarf clearing groove has an angle of from about 15 degrees to about 65 degrees.

Claim 7 (currently amended): The bevel edging wheel of claim 1 wherein said ~~slet~~ swarf clearing groove has an angle of from about 35 degrees to about 45 degrees.

Claim 8 (original): The bevel edging wheel of claim 1 wherein the abrasive grit is attached to the wheel by brazing, electroplating, sintering or resin bonding.

Claim 9 (original): The bevel edging wheel of claim 8 wherein said abrasive grit is a diamond hardness grit.

Claim 10 (currently amended): A rotary edging wheel for edge finishing of an optical lens comprising:

a hub portion adapted for attachment to a rotary power source;

an outer circumferential cutting surface having a width, said surface including an abrasive grit attached thereto, and having a circumferential groove therein for forming an edge contour onto an optical lens;

a radially extending planar side portion; and

a plurality of swarf clearing grooves extending at an angle across the entire width of said surface and opening into said planar side ^{portion}, said swarf clearing grooves operable to remove for removal of swarf out through said planar side.

Claim 11 (currently amended): The bevel edging wheel of claim 10 wherein said swarf clearing ~~slot~~ groove extends along the entire ^{width?} length of said cutting surface.

Claim 12 (currently amended): The bevel edging wheel of claim 10 wherein said ~~slot~~ swarf clearing groove has an angle of from about 10 degrees to about 80 degrees.

Claim 13 (currently amended): The bevel edging wheel of claim 10 wherein said ~~slot~~ swarf clearing groove has an angle of from about 15 degrees to about 65 degrees.

Claim 14 (currently amended): The bevel edging wheel of claim 10 wherein said ~~slot~~ swarf clearing groove has an angle of from about 35 degrees to about 45 degrees.

Claim 15 (original): The bevel edging wheel of claim 10 wherein the abrasive grit is attached to the wheel by brazing, electroplating, sintering or resin bonding.

Claim 16 (original): The bevel edging wheel of claim 15 wherein said abrasive grit is a diamond hardness grit.

Claim 17 (currently amended): A rotary bevel edging wheel for edge finishing of an optical lens comprising:

a hub portion adapted for attachment to a rotary power source;

an outer circumferential cutting surface having a width, said surface including an abrasive grit attached thereto, and having a circumferential groove therein for forming an edge contour onto an optical lens;

a radially extending planar side portion; and

a plurality of swarf clearing grooves extending across the entire width of said outer circumferential cutting surface, at an angle of from about 35 to about 45 degrees to said planar side portion and opening into said planar side, said swarf clearing grooves operable to remove ~~for removal of~~ swarf out through said planar side.

Claim 18 (original): The bevel edging wheel of claim 17 wherein the abrasive grit is attached to the wheel by brazing, electroplating, sintering or resin bonding.

Claim 19 (original): The bevel edging wheel of claim 18 wherein said abrasive grit is a diamond hardness abrasive grit.

Claim 20 (original): The bevel edging wheel of claim 17, wherein said abrasive grit is a diamond grit material having a mesh of from about 5-10 microns to about 100-120 mesh.